

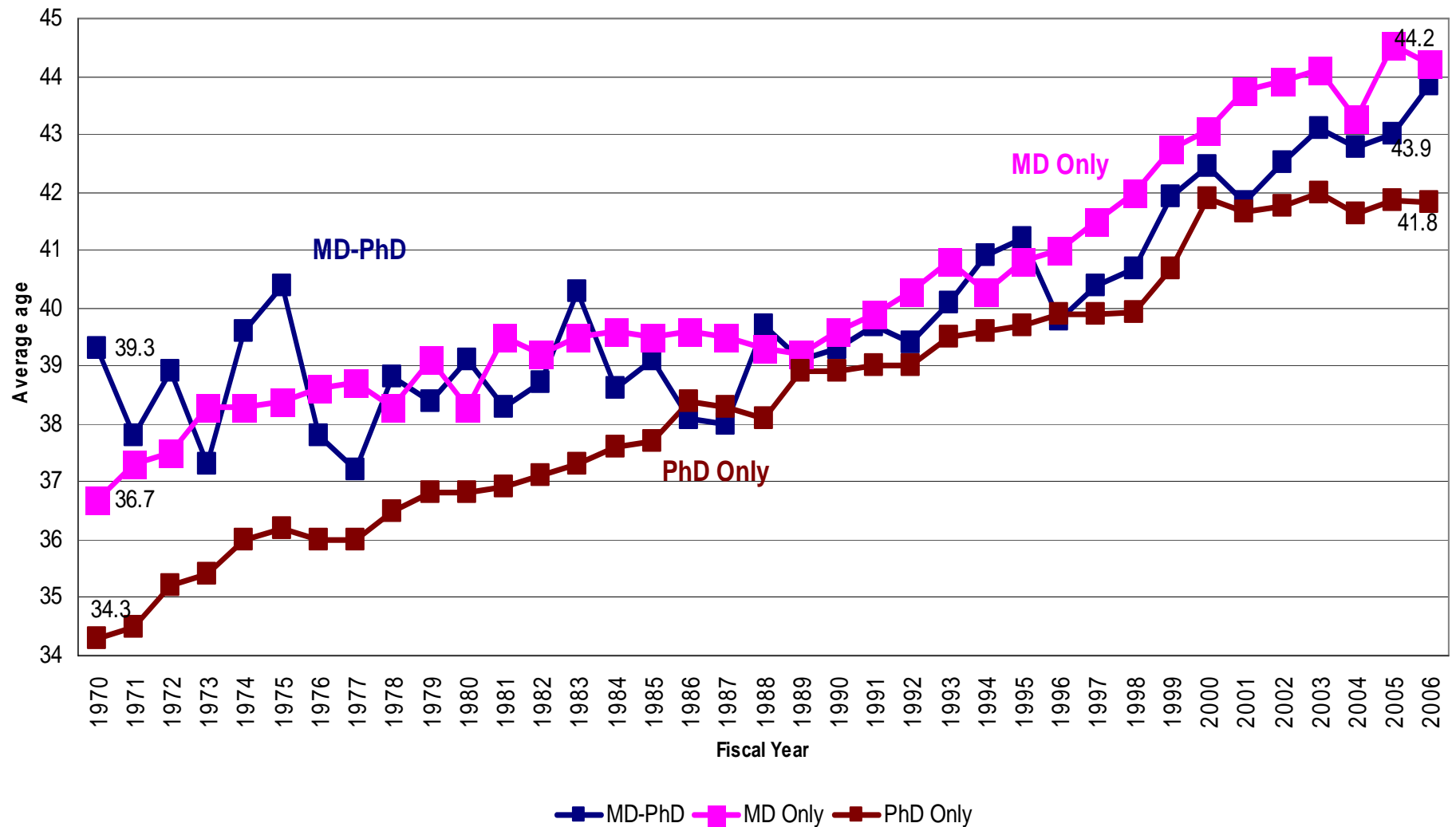


NIAID

Ts, Fs, Ks

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Average Age of First Time R01 Equivalent Investigators



NIAID Training and Career Portfolio- FY 2006

Major Mechanisms

Mechanism	No. Trainees	Years	MDs & MD-PhDs	Dollars
F31 (predoc)	60	5	(All pre-docs)	\$2,109,048
F32 (postdoc)	115	5	9 (8%)	\$5,587,050
T32 (189 awards)	1054 (568 pre/486 post)	5	~40% of postdocs are MDs	\$46,500,198
K01 (mentored)	7	3-5	3 (43%)	\$810,374
K02 (independent)	17	3-5	7 (41%)	\$1,730,832
K08 (basic oriented)	151		[20 DVMs (13%)] 82 MDs (54%) 49 MD-PhDs(32%)	\$17,621,148
K22 (Transition)	32	2	1 (3%)	\$4,338,136
K23 (pt. oriented)	77	3-5	70 (91%)	\$9,854,058
K24 (mid career)	18	3-5	18 (100%)	\$2,425,875
K25 mentored quant)	9	3-5	0	\$1,175,322
Totals	1540		~239 (16%)	\$92,152,042



Purpose of Ts, Fs, and Ks?

- To ensure that we have an adequate number of highly trained scientists to meet our Nation's present and future research agendas
- Examples of recent “challenges” are:
 - HIV/AIDS
 - SARS
 - Bio-Defense
 - Emerging and re-emerging diseases
- Ultimately we want to see independent biomedical investigators (with R01s?)

Ph.D. Career- NIAID

T32- Institutional training grant (NRSA)-has pre-& postdoc slots

F31- Individual minority predoc fellowship (NRSA)

F32- Individual postdoc fellowship (NRSA)

F33- Sr. postdoc fellowship (NRSA)

R03- Small Grant

R21- Exploratory/Developmental Research Grant

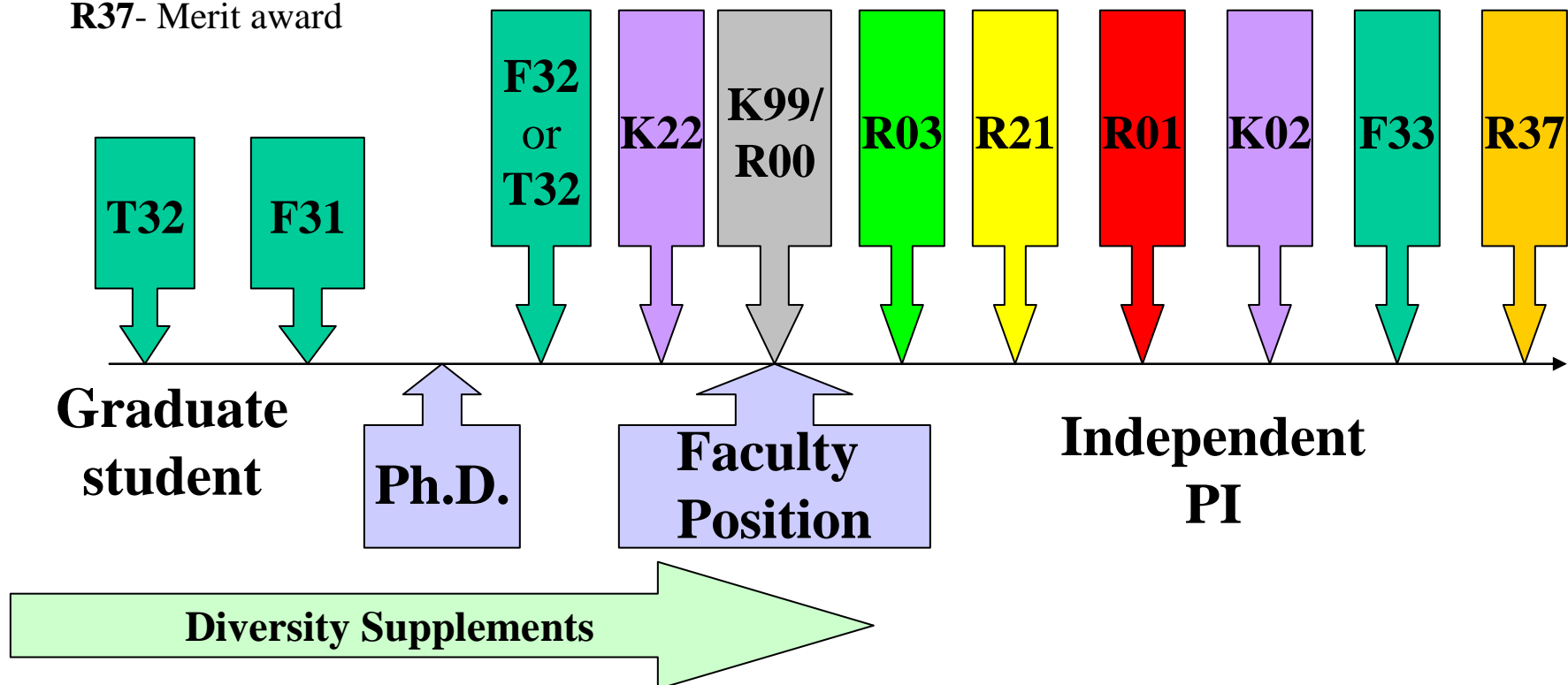
R01- Research grant

K02- Independent Scientist Award

K22- Research Scholar Development Award

K99/R00- Pathway to Independence Award

R37- Merit award



M.D. Career - NIAID

T35- Short-term Training Grant for Health Professional Students

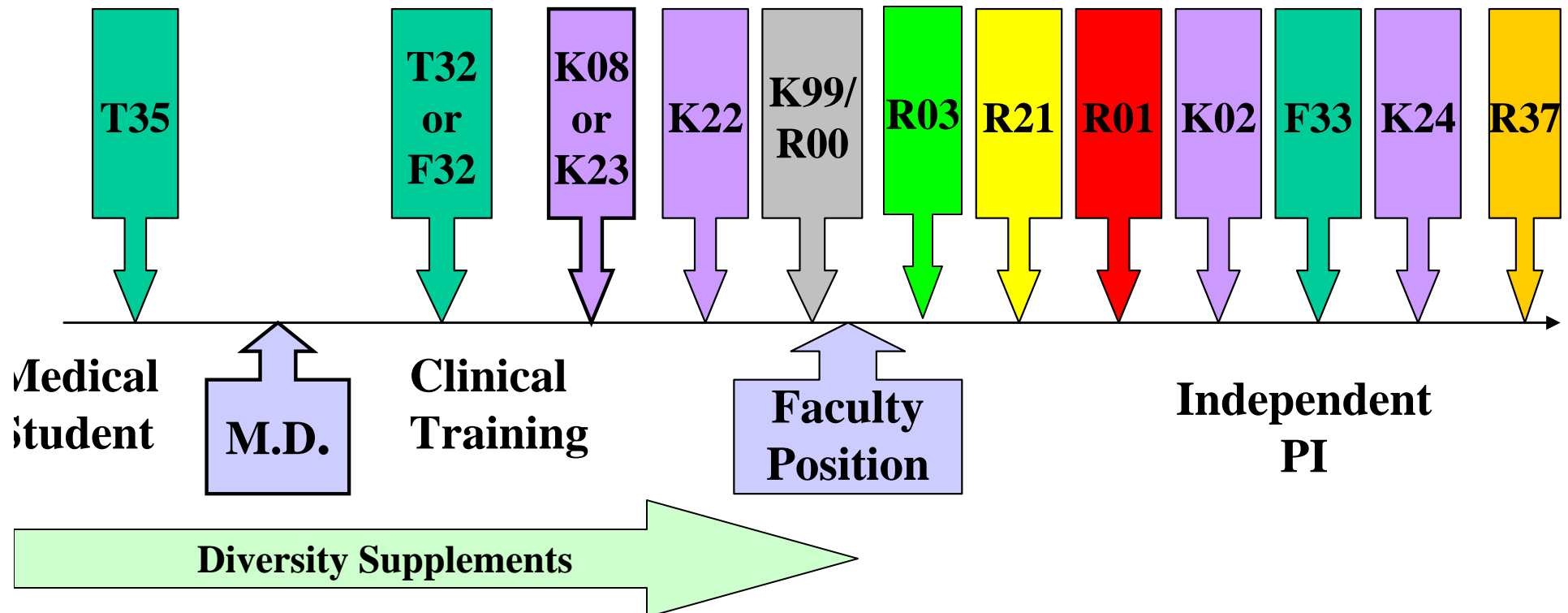
F33- Sr. Postdoctoral Fellowship (NRSA)

K08- Mentored Clinical Scientist Development Award

K23- Mentored Patient-Oriented Research Career Development Award

K24- Mid-Career Investigator in Patient-Oriented Research

Plus all mechanisms from Ph.D. track





Fellowships (Fs):

- NRSA- National Research Service Award
- Legislated, program began in 1974 (P.L. 93-348)
- Individual awards under a mentor
- Training can be at domestic or foreign institutions
- Fund pre- and postdoc trainees in any scientific area within our scientific mission
- Can be basic or clinical- most are basic
- Most awardees are for Ph.D.s



Career Development Awards (Ks)

- Individual awards
- Mostly for MDs (except for K22s & K99s)
- More senior award than a fellowship
- Some mentored others not
- Newer ones (K22 and K99/R00) are transition awards



F32s

Postdoc Fellowships

- Postdoc only
- Individual award
- Cannot change the scope, mentor or sponsoring institution without NIH prior approval! (They do anyway)
- Stipends- \$36,996 (level 0)-\$51,036 (level 7)
 - Training Related Expenses- \$7,850; includes health insurance
 - Travel- \$400-\$1,000



K08- Mentored Clinical Scientist Development Award

K23- Mentored Patient-Oriented Research Career Development Award

- K08- for basic research project
- K23- for clinical/ patient-oriented project
- K08- 3 or 5 yr award
 - 3 yrs for more senior individual
 - 5 yrs for more junior individual, but must justify a “didactic” 2 yr phase
- Salary: \$75,000/yr + Fringe Benefits
- Research Support:
 - K08 - \$20,000/yr
 - K23 - \$25,000/yr
- F&A at 8% of Modified Total Direct Costs



K22 Research Scholar Development Award

- Transition award for postdocs moving to positions of assistant professor
- Two-phased application
- Phase 1
 - ☐ Scientific merit
 - ☐ No institution yet
- If applicant gets a fundable score, they have a year to find a position as assistant professor
- Phase 2
 - ☐ Assistant Professor
 - ☐ Own lab
 - ☐ Significant start-up funds
 - ☐ Little teaching/ no administrative responsibilities



K99/R00 Pathway to Independence Award

- Transition award for postdocs moving to assistant professor positions
- Has mentored phase
- Citizenship and green card not required- new feature for any K
- Has a mentored phase (K99) and an independent phase (R00)
- NIAID committed to only six awards - we already had a successful transition award (K22)



K22 and the K99/R00 Award

Main features

■ **K22**

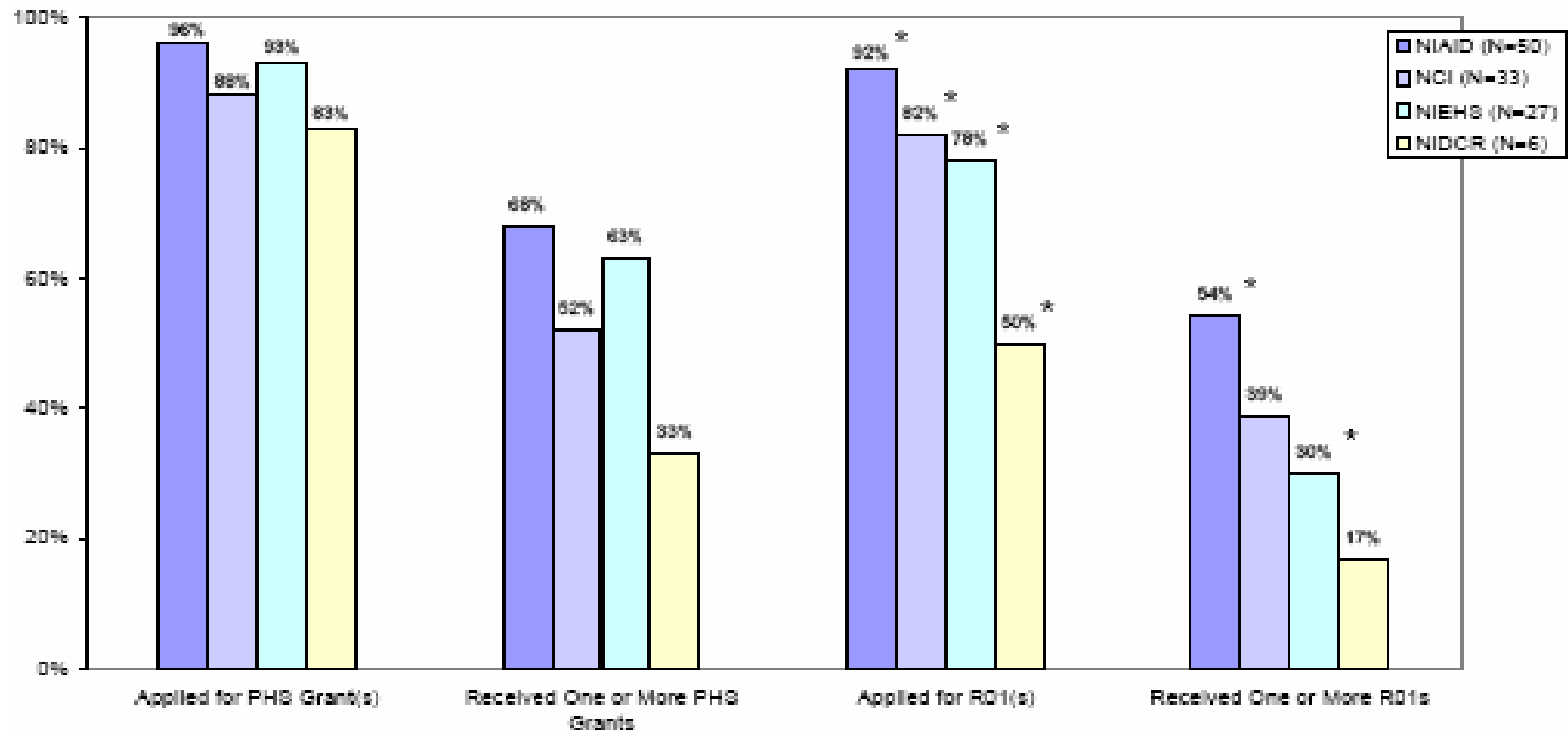
- Transition award (postdoc-to-asst. professor)
- 2 yr award
- No mentored phase
- Awardee gets funds at the time of becoming asst. professor
- \$250K + 8% F&A costs
- Total Cost= \$270K

■ **K99/R00**

- Transition award (postdoc-to asst. professor)
- 3 year award **only**
- 1 yr mentored phase (\$90K/yr)
- Awardee becomes asst. professor- No peer review
- 2 yr independent R phase (\$249K/yr TC)
- Total Cost= \$574K but note TC in R00 phase

Evaluation of the K22 Program

Percent of K22 Participants Who Applied For / Received a PHS Grant by Sept 2006 Comparison of 4 'Transition Phase Only' K22 Programs Sponsored by Different NIH Institutes



* Significant difference between 2 or more groups ($p < .05$).

Based on an analysis of competitive PHS grant applications submitted by and awarded to K22 participants who finished the program by Sept 2005. Grant experience prior to K22 participation was not counted. Data source: IMPAC III.

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NIAID Training Advice Website

www.niaid.nih.gov/ncn/training/default.htm



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Training and Career Awards

NIAID supports a variety of awards for people at different career stages.

Please Note: All NIAID training and career development awards (except for the [K99/R00](#)) require either U.S. citizenship or legal residence ("green card").

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